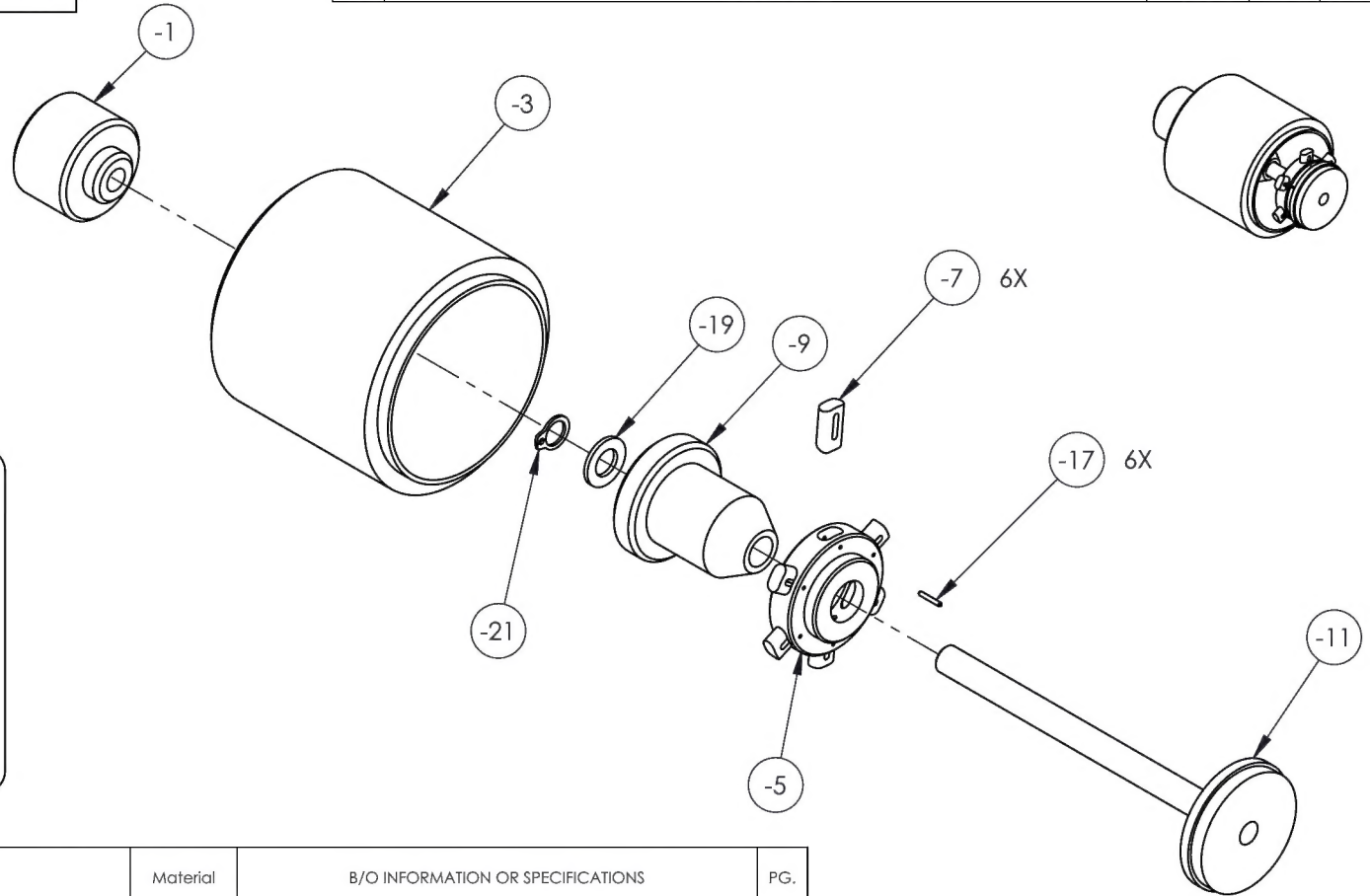
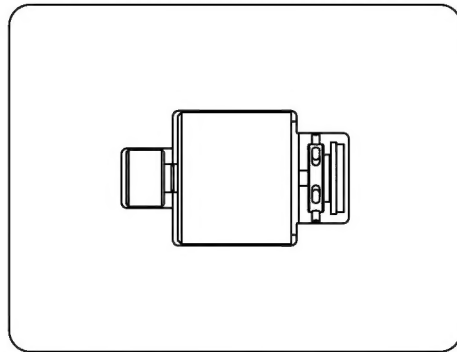


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

**UNDER REVIEW**

URF 19-988 19.10.24 (VM)

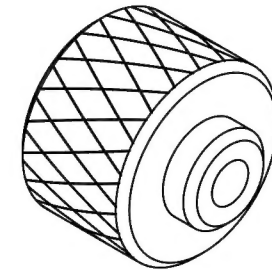
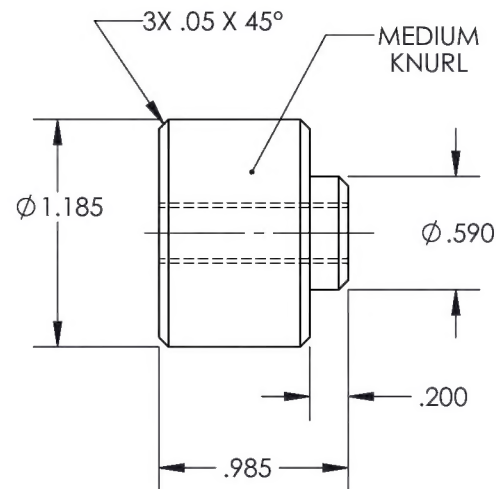
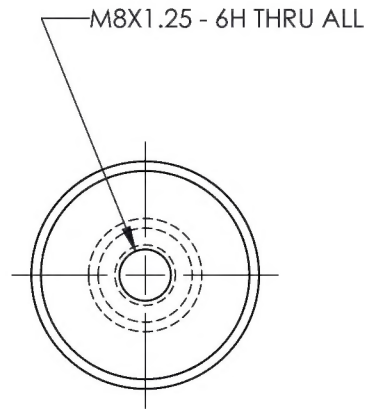


ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		-1	1	KNOB	A36	Ø1-1/4 X 1-1/8	2
		-3	1	BELL, TOOL	1018	Ø 2-3/4 X 2-3/4	3
		-5	1	BODY	1018	Ø1-1/2 X 5/8	4
		-7	6	WEDGE	1018	1/4 X 3/8 X 5/8	5
		-9	1	KNOB	A36	Ø1-1/2 X 1-3/4	9
X		-11		SCREW WELDMENT			6
1		-13		SCREW BASE	1018	Ø1-5/8 X 3/8	7
1		-15		STUD	STEEL	M8 x 1.25 X 4-1/2 MCMaster-CARR # 99055A125 (MODIFIED)	8
	B/O	-17	6	SPRING PIN	STEEL	ØM1 X 8MM MCMaster-CARR # 91611A069	1
	B/O	-19	1	FLAT WASHER	STEEL	5/16" FLAT WASHER MCMaster-CARR # 95229A460	1
	B/O	-21	1	RETAINING RING	STEEL	FOR 8mm SHAFT MCMaster-CARR # 98541A116	1
	B/O	-23	1	FOAM BOTTOM	Y-20 BLACK	3 X 7.25 X 9.5 I.R. SPECIALTIES	10
	B/O	-25	1	FOAM TOP	Y-20 BLACK	1.25 X 7.25 X 9.5 I.R. SPECIALTIES	11
	B/O	-27	1	CASE	PLASTIC	PELICAN #APP 1200-E	NS
	B/O	-29	1	RED BARN PLACARD	ALUMINUM	RB41009	NS
ASSY -11							

RED BARN MACHINE	
TITLE TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
DWG NO. RBW109-3400-95-1	REV
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED D Weil
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT FINISH SPEC
SCALE 1:2	DATE 5/4/2012
SHEET 1 OF 11	

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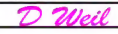
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**

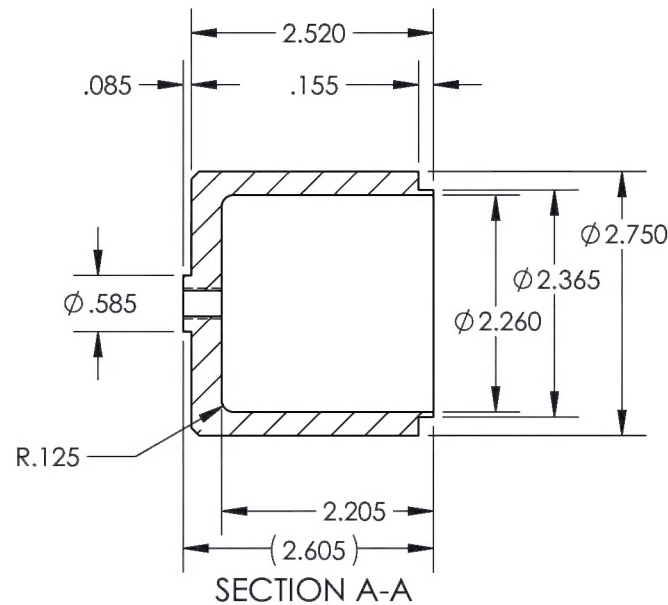
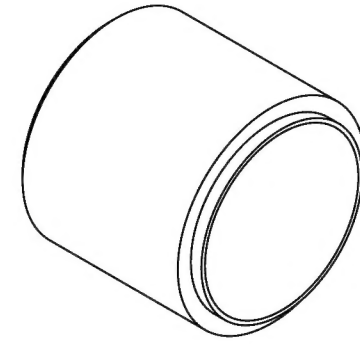
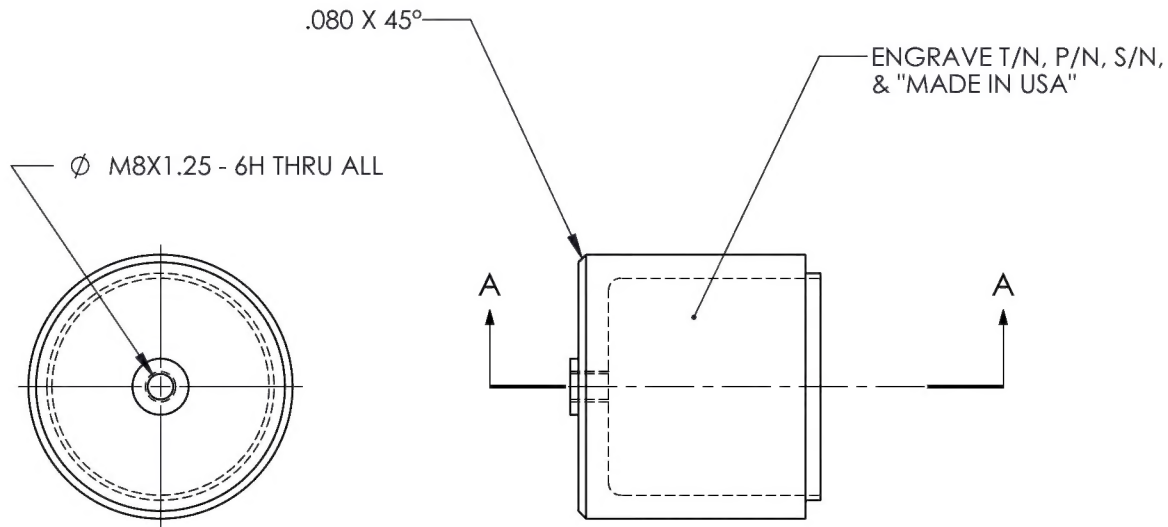
URF 19-988 19.10.24 (VM)

(-1)  
KNOB

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
<b>DWG NO.</b> RBW109-3400-95-1-1	<b>REV</b>
<b>MAT'L</b> A36	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> FINISH CAD PLATE YELLOW <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II USED ON MODEL AW109
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:1	<b>DATE</b> 5/4/2012
SHEET 2 OF 11	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-3)  
BELL, TOOL

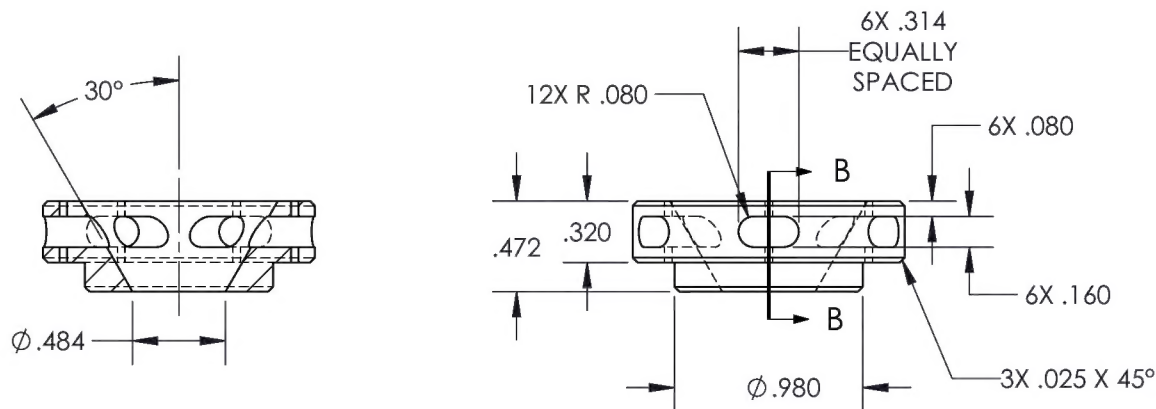
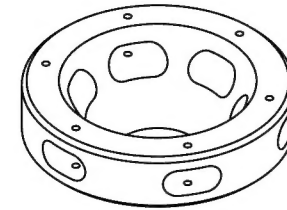
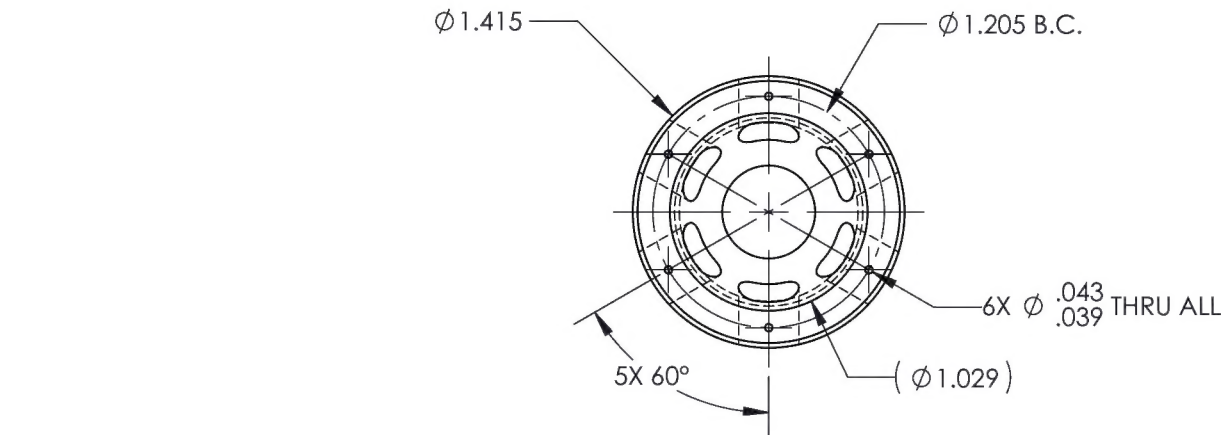
**UNDER REVIEW**

URF 19-988 19.10.24 (VM)

<b>RED BARN MACHINE</b>	
TITLE TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
DWG NO. RBW109-3400-95-1-3	REV
MAT'L 1018	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH CAD PLATE YELLOW
.X ± .1	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109
SCALE 1:2	DATE 5/4/2012
SHEET 3 OF 11	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED


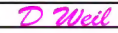


SECTION B-B

(-5)  
BODY

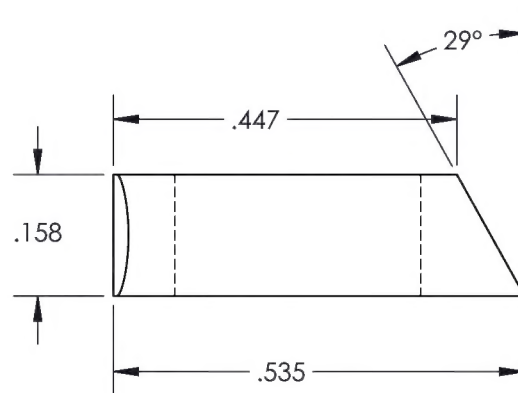
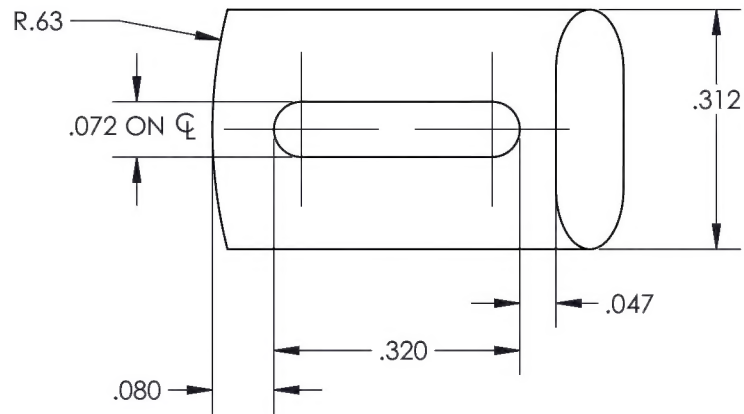
**UNDER REVIEW**

URF 19-988 19.10.24 (VM)

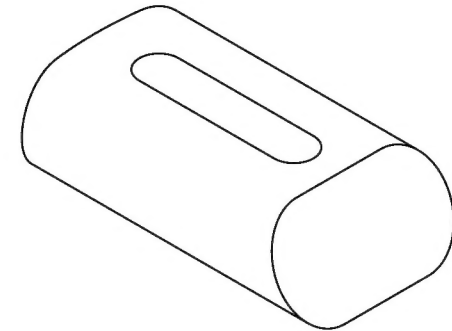
 <b>RED BARN MACHINE</b>	
<b>TITLE</b> TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
<b>DWG NO.</b> RBW109-3400-95-1-5	<b>REV</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX $\pm .005$ .XX $\pm .01$ .X $\pm .1$ FRACTIONS $\pm 1/32$ ANGLES $\pm 5^\circ$	<b>APPROVED</b>  <b>HEAT TREAT</b> CAD PLATE YELLOW <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II USED ON MODEL AW109
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:1	<b>DATE</b> 5/4/2012
SHEET 4 OF 11	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED


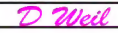


(-7)  
WEDGE



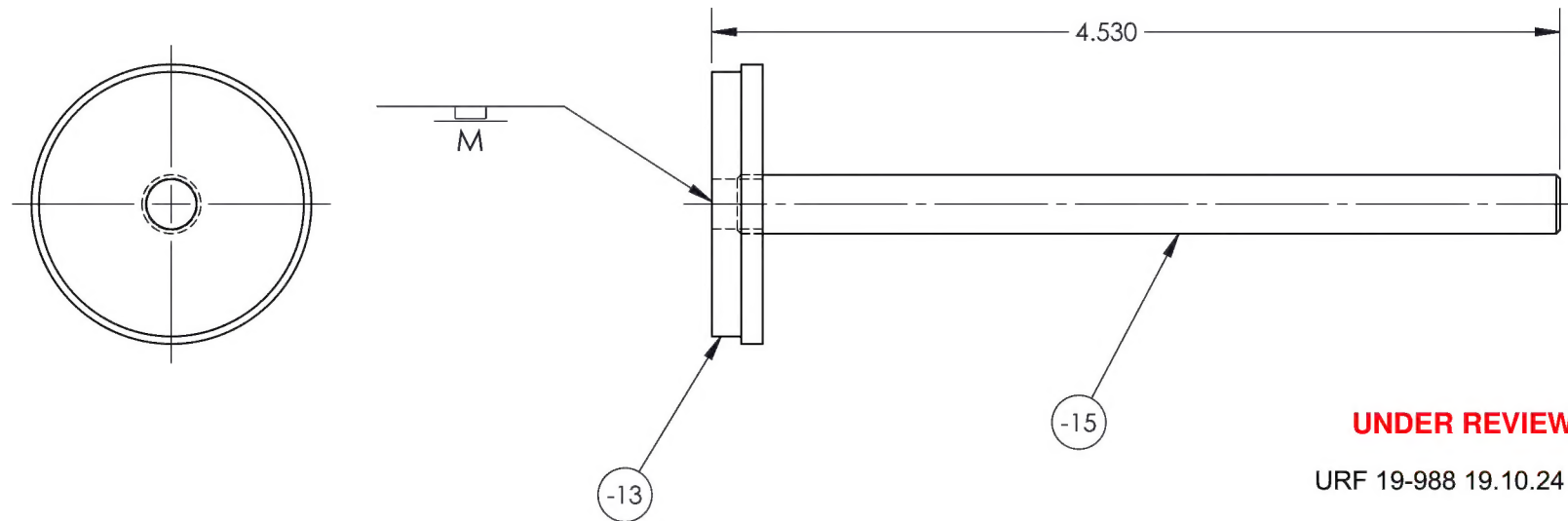
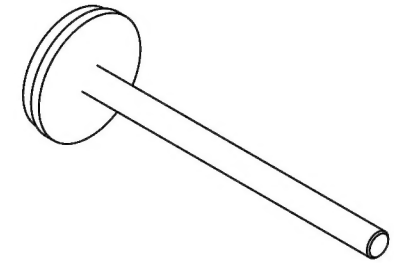
**UNDER REVIEW**

URF 19-988 19.10.24 (VM)

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
<b>DWG NO.</b> RBW109-3400-95-1-7	<b>REV</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	<b>APPROVED</b> 
FRACTIONS ± 1/32 ANGLES ± 5°	<b>HEAT TREAT</b> CAD PLATE YELLOW
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> QQ-P-416F, TYPE II, CLASS II <b>USED ON MODEL</b> AW109
<b>SCALE</b> 4:1	<b>DATE</b> 5/4/2012
<b>SHEET 5 OF 11</b>	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



**UNDER REVIEW**

URF 19-988 19.10.24 (VM)

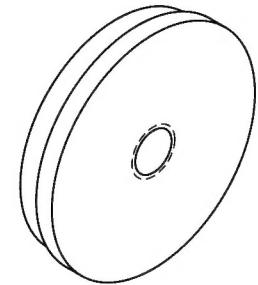
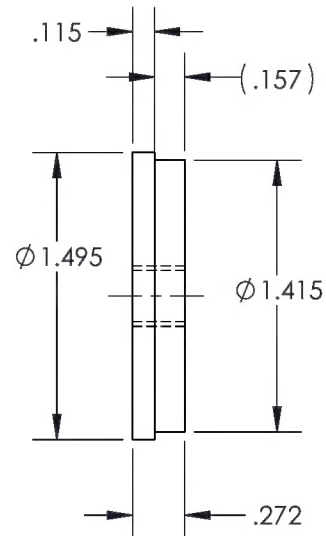
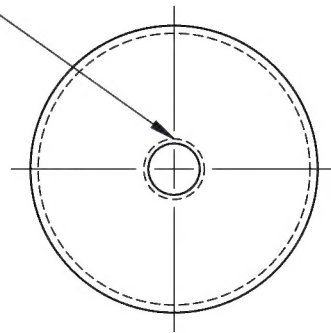
(-11)  
BOLT WELDMENT

 <b>RED BARN MACHINE</b>	
TITLE TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
DWG NO. RBW109-3400-95-1-11	REV
MAT'L	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL AW109
SCALE 4:1	DATE 5/4/2012
SHEET 6 OF 11	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

M8x1.25 THRU


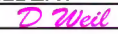


(-13)

SCREW BASE

**UNDER REVIEW**

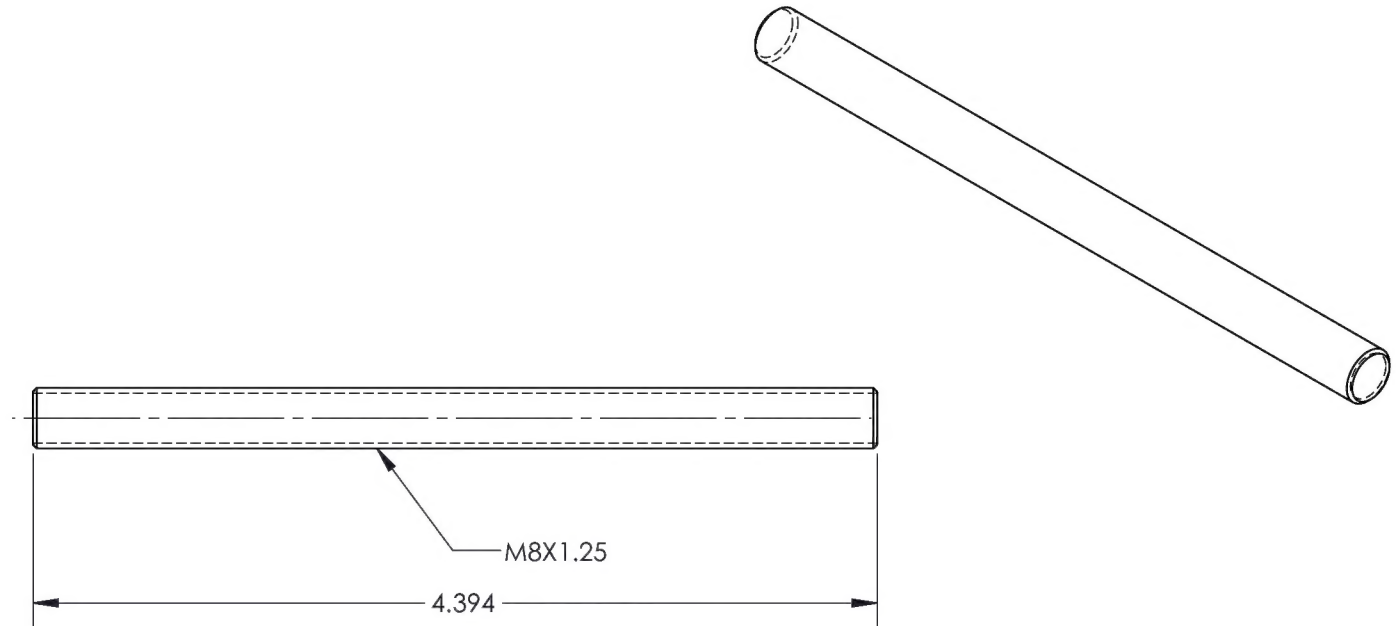
URF 19-988 19.10.24 (VM)

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
<b>DWG NO.</b> RBW109-3400-95-1-13	<b>REV</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> SEE -11 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 4:1	<b>DATE</b> 5/4/2012
<b>SHEET 7 OF 11</b>	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-15)  
STUD

**UNDER REVIEW**

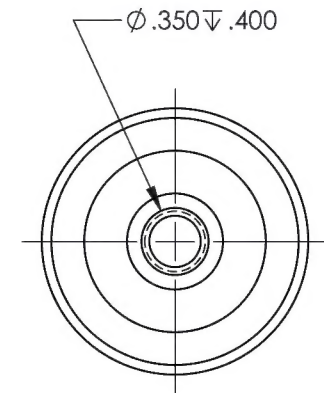
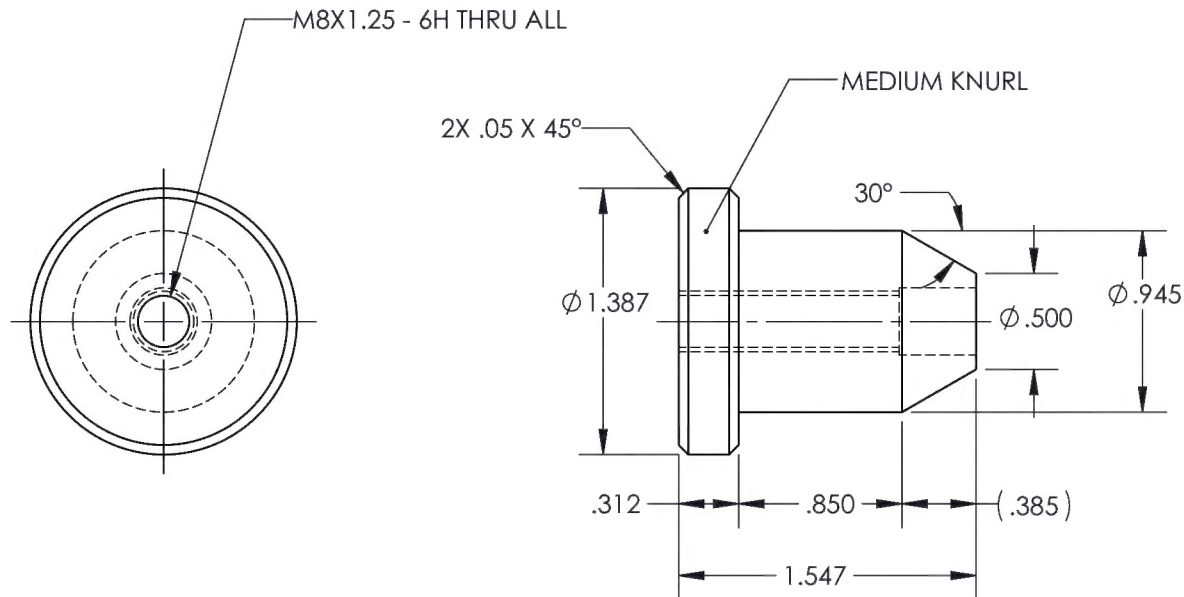
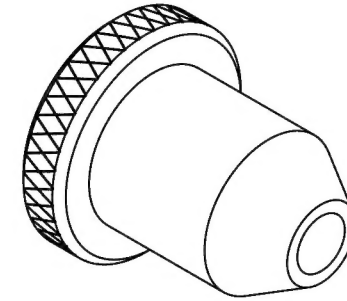
URF 19-988 19.10.24 (VM)

 <b>RED BARN MACHINE</b>	
TITLE TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
DWG NO. RBW109-3400-95-1-15	REV
MAT'L STEEL	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -11 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW 109
SCALE 4:1	DATE 5/4/2012
SHEET 8 OF 11	



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REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-17)  
KNOB

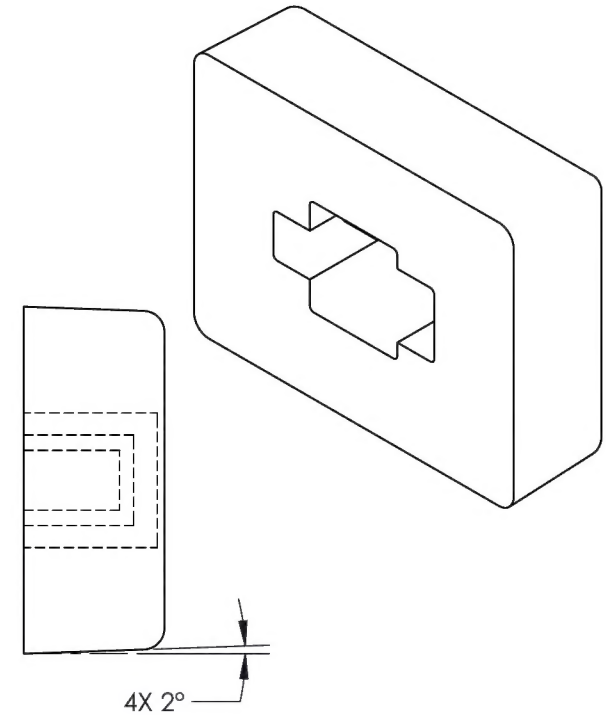
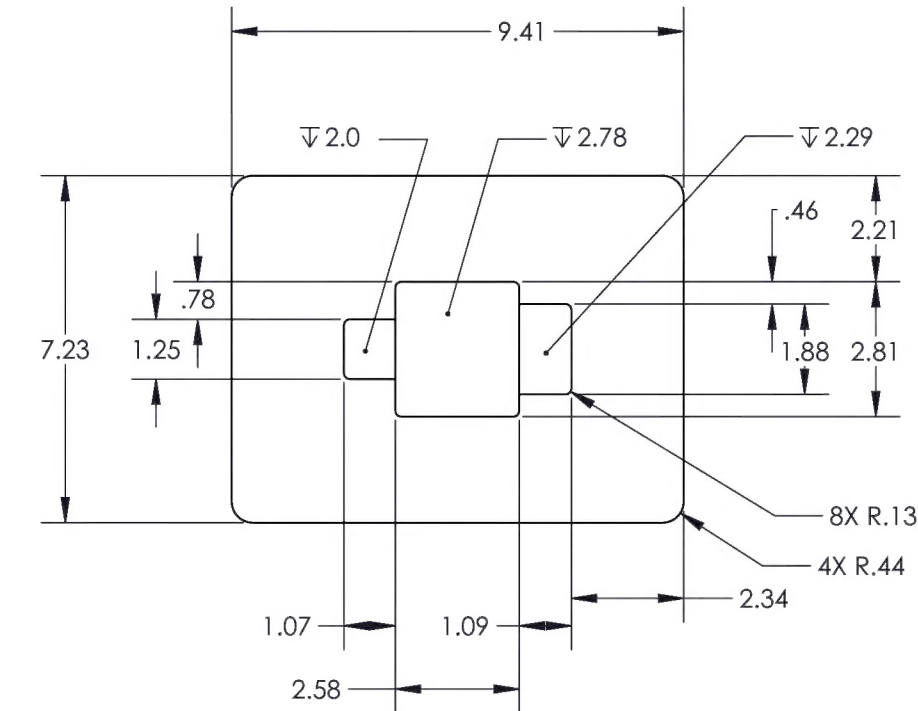
**UNDER REVIEW**

URF 19-988 19.10.24 (VM)

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
<b>DWG NO.</b> RBW109-3400-95-1-9	<b>REV</b>
<b>MAT'L</b> A36	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> FINISH CAD PLATE YELLOW <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II <b>USED ON MODEL</b> AW109
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:2	<b>DATE</b> 5/4/2012
SHEET 9 OF 11	

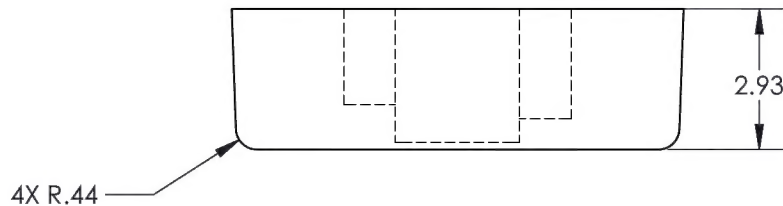
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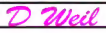
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**

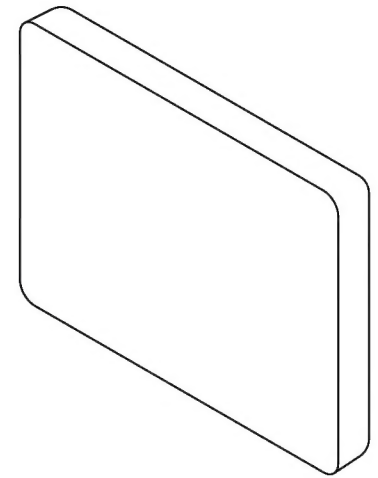
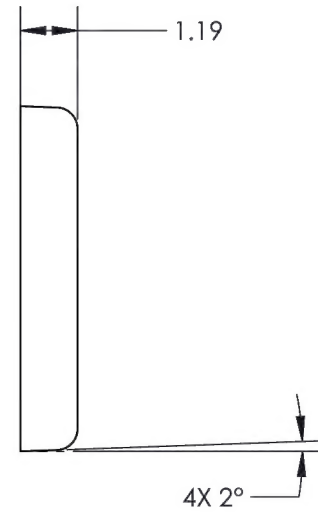
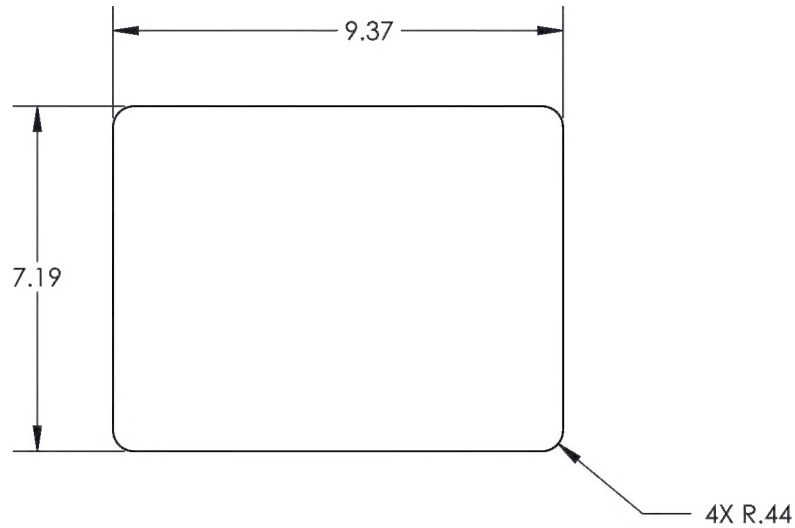
URF 19-988 19.10.24 (VM)



 <b>RED BARN MACHINE</b>	
<b>TITLE</b> TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
<b>DWG NO.</b> RBW109-3400-95-1-23	<b>REV</b>
<b>MAT'L</b> Y-20 BLACK	<b>DRAWN BY:</b> MARPET
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW 109
<b>SCALE</b> 1:4	<b>DATE</b> 2/15/2013
<b>SHEET 10 OF 11</b>	

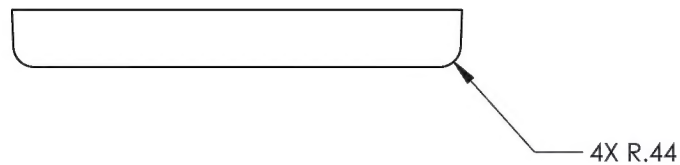
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**

URF 19-988 19.10.24 (VM)



 <b>RED BARN MACHINE</b>	
TITLE TOOL ASSY, 90° GEARBOX OUTPUT SHAFT SEAL REMOVAL	
DWG NO. RBW109-3400-95-1-25	REV
MAT'L Y-20 BLACK	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	HEAT TREAT FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC
SCALE 1:4	USED ON MODEL AW 109
DATE 2/15/2013	SHEET 11 OF 11